

Application No. 10/813,791
Response to Office Action

Customer No. 01933

Amendments to the Specification:

Please amend the paragraph at page 2, lines 8-13 as follows:

In order to resolve the above-mentioned drawbacks, a vibration-proof glove according to a first aspect of the invention is provided that ~~it is wore~~ is worn particularly in an operation with a vibration tool such as a rock drill or engine cutter. The vibration-proof glove comprises a stretchy glove body (1) made of knit and the like, and a vulcanized foam rubber (2) provided at least on the palm portion of the ~~glove~~ glove body.

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Please amend the paragraph at page 2, lines 14-19 as follows:

Further, ~~a vibration proof glove~~ according to a second aspect of the invention ~~is that~~ a plurality of crosswise grooves (2a) are provided on the palm portion of the glove in a direction roughly orthogonal to the direction the finger portions of the glove are extending. It will be noted that the crosswise groove (2a) in other words is a groove provided on the palm portion along the crosswise direction of the palm.

Please amend the paragraph at page 2, lines 20-25 as follows:

Further, ~~a vibration proof glove~~ according to a third aspect of the invention ~~is that~~ a plurality of lengthwise grooves (2b) are provided on the palm portion of the glove in a direction roughly parallel to the direction the finger portions of the glove are extending. It will also be noted that the lengthwise groove (2b) is in other words a groove provided on the palm portion along the lengthwise direction of the palm.

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Please amend the paragraph at page 2, lines 26-28 as follows:

Moreover, ~~a vibration proof glove~~ according to a fourth aspect of the invention ~~is that~~ the vulcanized foam rubber (2) is made of chloropylene rubber or natural rubber.

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Please amend the paragraph at page 3, lines 1-18 as follows:

~~A production~~ According to a fifth aspect of the present invention, a method ~~of a vibration proof glove according to a fifth aspect of the invention~~ is performed for producing a vibration-proof glove which is ~~were worn~~ particularly in an operation with a vibration tool e.g., a rock drill or engine cutter. The production method comprises at least a first to sixth processes. In a first process, ~~there is produced~~ a rubber sheet (3) is produced with materials comprising a rubber material such as chloropylene rubber or natural rubber and a foaming agent added into the rubber material. In a second process, the rubber sheet (3) is cut into a given size. In a third process, a stretchy glove body (1) made of knit and the like is mounted over a flat hand shape mold (4), followed by setting the glove body (1) with the flat hand shape mold (4) in a lower mold (6b) wherein the palm portion of the glove body (1) is placed upside upward. In a fourth process, the rubber sheet (3) is placed on the palm portion of the glove body (1), followed by press heating the rubber sheet (3) by an upper mold (6a) from

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above to attach the rubber sheet (3) to the glove body (1).
In a fifth process, the glove body (1) is removed from the
flat hand shape mold (4), and is mounted over a
~~tridimensional~~ tridimensional hand shape mold (5). And in a
sixth process, the rubber sheet (3) is vulcanized and foamed
by being heated to increase the thickness of the rubber
sheet (3).

Please amend the paragraph at page 8, lines 16-18 as
follows:

After completion of the fourth process, the glove body
1 is removed from the flat hand shape mold 4 and is mounted
over a ~~tridimensional~~ tridimensional type hand shape mold 5
(a fifth process).

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Please amend the paragraph at page 8, lines 26-28 as follows:

Following the sixth process, as shown in Fig. 7, the vibration-proof glove is removed from the ~~tridimensional~~ tridimensional type hand shape mold 5 to bring a finished product.

Please amend the paragraph at page 9, lines 14-18 as follows:

According to the first aspect of the present invention ~~claimed in claim 1~~, a vulcanized foam rubber material is provided at least at the palm portion of a ~~stretch~~ stretchable glove body which is made of a knit material and the like, so that the vulcanized foam rubber functions as a vibration insulation material, thereby performing an excellent effect in isolating vibrations.

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Please amend the paragraph at page 9, lines 24-28 as follows:

According to the second aspect of the present invention ~~claimed in claim 2~~, which includes the similar effects of the first aspect of the invention, a plurality of crosswise grooves are provided on the vulcanized foam rubber material, so that the flexibility of the vulcanized foam rubber material can be improved. Therefore, the usability of the glove further improves.

Please amend the paragraph at page 9, line 29 to page 10, line 4 as follows:

According to the third aspect of the present invention ~~claimed in claim 3~~, which includes the similar effects of the first and second aspects of the ~~inventions~~ invention, a plurality of lengthwise grooves are provided on the vulcanized foam rubber material, so that the flexibility of the glove is further improved, thereby improving the usability of the glove.

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Please amend the paragraph at page 10, lines 5-9 as follows:

According to the fourth aspect of the present invention ~~claimed in claim 4~~, which includes the similar effects of the first, second and third aspects of the ~~inventions~~ invention, when the vulcanized foam rubber material is made particularly of chloroplylene rubber, a clean skin layer can be formed on the surface of the rubber material at a time of vulcanization and foaming.

Please amend the paragraph at page 10, lines 12-17 as follows:

According to the fifth aspect of the present invention ~~claimed in claim 5~~, the glove is produced merely by forming a rubber sheet with rubber material, which includes chloroplylene rubber, natural rubber and the like, and a foaming agent which is added into the rubber material, followed by vulcanizing and foaming the rubber sheet after attaching the rubber sheet on a glove body, so that a vibration-proof glove can be easily produced.

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Please amend the paragraph at page 10, lines 20-25 as follows:

According to the sixth aspect of the present invention ~~claimed in claim 6~~, which includes the effect of the fifth aspect of the invention, the vulcanized and foamed rubber material is provided with either a plurality of the crosswise grooves or lengthwise grooves, or it is provided with both the crosswise grooves and the lengthwise grooves, so that the flexibility of the glove improves by effects of those grooves, improving the usability of the glove.